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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/910,963	07/23/2001	Katsuaki Akama	FUJ 18.626	2520

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EXAMINER

TIEU, BENNY QUOC

ART UNIT	PAPER NUMBER
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2614

DATE MAILED: 04/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed on March 1, 2006 has been entered. Claims 2, 3, 5, 6, 8-15 have been amended. Claims 1 and 7 have been canceled. No claims have been added. Claims 2-6 and 8-16 are still pending in this application, with claims 2, 3 and 12-15 being independent.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claim 6 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
4. Claim 6 recites the limitation "the communication partner" in line 5. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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6. Claims 2-4, 6 and 8-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Van den Heuvel et al. (U.S. Patent No. 5,301,359).

Regarding claims 2, 4 and 15, Van den Heuvel et al. teach a bulletin board controller (reads on server) providing a message to communication units (hand-held terminals) regarding available communication systems (multimedia communication apparatus) in a particular geographic area. The bulletin board resource supports registration (negotiating and reserving) of the communication unit with one or more of these systems as selected by the communication unit (column 2, lines 36-56, and column 4, lines 3-31 and lines 47-65).

Regarding claims 3, 6 and 14, the limitations of the claim are rejected for the same reasons as set forth in the rejection of claim 2 above. It is noted that when a user of the communication unit selects, for example, to page a particular recipient (reads on a communication partner) when the paging system (multimedia communication apparatus) is available, the paging system is used to communicate with the recipient.

Regarding claims 8 and 9, see Fig. 3.

Regarding claims 10 and 11, see column 2, line 64 to column 3, line 36. It is noted that signal processing unit (306) can appropriately recover and process voice and data signals (read on change of the class of multimedia communication).

Regarding claims 12 and 13, the limitations of the claims are rejected for the same reasons as set forth in the rejection of claims 3, 10 and 11 above.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 5 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Van den Heuvel et al in view of Naim (U.S. Patent No. 6,779,115).

Regarding claims 5 and 16, Van den Heuvel et al. fail to teach the handheld terminal including a unit for cryptographic communication to encrypt communication between the handheld terminal and the server to an information storage medium nor a local communication security unit for providing security features. However, these features are well known in the art. For example, Naim teaches a system for securely downloading digital music data includes a portable handheld device having a detachable smart card for decrypting encrypted music as it is played thereby allowing the portable device to receive and play encrypted music files. The smart card includes both a digital decryption key and hardware that decrypt the encrypted music using the key. The portable handheld device is configured to connect to a remote server, using the decryption key to establish a secure data communications channel, in order to receive the encrypted music files from the remote server (column 4, lines 45-51). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the use of security feature as well as encrypt technique taught by Naim into the handheld device disclosed by Van den Heuvel et al. in order to security communicate between the handheld device and the server.

Response to Arguments

9. Applicant's arguments with respect to claims 2-6 and 8-16 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Shaw et al. (U.S. Patent No. 5,706,290) teach a method and apparatus including system architecture for multimedia communication. Wendling (U.S. Patent No. 6,701,161) teaches a multimedia unit. Owa et al. (U.S. Patent No. 6,711,379) teach a digital broadcasting system and terminal therefor. LeFroy (U.S. Patent Application Publication No. 2004/0005926) teaches an interactive game.

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benny Q. Tieu whose telephone number is 571-272-7490. The examiner can normally be reached on Monday-Friday: 6:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on 571-272-7493. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Benny Q. Tieu", with a stylized, flowing script.

Benny Q. Tieu
Primary Examiner
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